

CLASSROOM ACTIVITY: LEARN ABOUT BENEFITS THAT TREES PROVIDE!

NATIONAL TREE BENEFIT CALCULATOR

Estimate the amount of carbon dioxide and pollution a tree removes from the air, and the amount of stormwater it can help mitigate.

Fill out the form and enter the information into the [iTree MyTree website](#). Be sure to measure your tree's diameter (inches around its trunk) and distance (in feet) from the nearest building.

TREE LOCATION (street address): _____

TYPE OF TREE (select one):

Existing New Planting Heritage Memorial Specimen

TREE SPECIES (Resource: [Wisconsin Urban Tree Key](#)): _____

TREE CONDITION (check one):

Tree condition can be identified by looking at the leaves of your tree's crown – are portions of the crown missing leaves? The following classes are available to choose from:

- Excellent**–Tree has less than 1% of its leaves missing.
- Good**–Tree is missing 1–10% of its leaves.
- Fair**–Tree is missing 11–25% of its leaves.
- Poor**–Tree is missing 26–50% of its leaves.
- Critical**–Tree is missing 51–75% of its leaves.
- Dying**–Tree is missing 76–99% of its leaves.
- Dead**–Tree is missing all of its leaves.



TRUNK SIZE (inches): Trunk measurement is the size of your tree's trunk measured at about 4.5 feet above the ground. Enter the circumference (inches around).

The circumference (inches around) the tree is _____ inches.

SUN EXPOSURE (select one):

Full (6+ hours) Partial (3-6 hours sun) Shade (less than 3 hours of sunlight)

IS THE TREE WITHIN 60 FEET OF A BUILDING? Yes No

APPROXIMATELY HOW OLD IS THE BUILDING? _____

Once you've fill out the form, select the green button at the bottom of the page. Then calculate your results by selecting the blue calculator icon on the screen!

All done! Add more trees or get results. →

 Calculate All Trees

FINALLY, REVIEW AND FILL OUT YOUR TREE'S BENEFITS:

Total benefits:	\$_____.
Carbon Dioxide (CO ²) sequestered	\$_____.
Annual CO ² equivalent of carbon	_____ lbs (pounds)
Storm Water Runoff Avoided	\$_____.
Runoff Avoided	_____ gallons
Rainfall Intercepted	_____ gallons
Air Pollution Removed Each Year	\$_____.
Carbon Monoxide	_____ ounces
Ozone	_____ ounces
Nitrogen Dioxide	_____ ounces
Sulfur Dioxide	_____ ounces
PM 2.5 Pollution	_____ ounces
Energy Use Per Year	\$_____.
Electricity Savings (air conditioning)	_____ kWh
Fuel Savings (natural gas, oil)	_____ MMBtu
Avoided Energy Emissions	\$_____.
Carbon Dioxide	_____ lbs (pounds)
Carbon Monoxide	_____ ounces
Nitrogen Dioxide	_____ ounces
Sulfur Dioxide	_____ ounces
PM 2.5 Pollution	_____ ounces
CO ² Stored to Date	\$_____.
Lifetime CO ² equivalent of carbon	_____ lbs (pounds)

